Attorney Docket No. VPI/02-05 US



IN THE UNITED STATES PATENT AND TRADEMARK OFFIC

		10/5/0	101		
Application N		10/749	,121		
Confirmation	No.:	3285			
Filing Date:		Decem	ber 30, 2003		
Examiner:		Not Ye	et Assigned		
Group art unit	:	1625			
Applicants:		Saunde	ers et al.		
For:		SULFH	YDANTOINS AS PHOSPHATE ISOSTERES		
			September 12, 2005 Cambridge, Massachusetts		
Mail Stop Am Commissione P.O. Box 1450 Alexandria, V	r for Pa O A 223	tents 13-1450	TTER FOR INFORMATION DISCLOSURE STATEMENT		
. I KANS	IVII I I A	AL LEI	TER FOR INFORMATION DISCLOSURE STATEMENT		
(a)	accom	ant to 37 C.F.R. §1.56, it is requested that the documents listed on the apanying Form 1449/PTO be considered and made of record in the identified patent application.			
	\boxtimes	Copy(ies) of references Citation No(s). A1-A6; B1; C1-C11 are attached.		
		Copy(ies) of references Citation No(s). was/were application U.S. Application No(s). filed , from vapplication claims priority under 35 U.S.C. § 120.).			
	\boxtimes		y of the International Search Report received in the corresponding application No. <u>PCT/US03/41630</u> is attached herewith.		
(b)	\boxtimes	No fee	e is believed due because:		
			The Information Disclosure Statement is being filed within three (3) months of the filing date of the application.		
			The Information Disclosure Statement is being concurrently filed with the above-identified application.		
			The Information Disclosure Statement is being concurrently filed with a Request for Continued Examination (RCE).		
		\boxtimes	The Information Disclosure Statement is being filed prior to the mailing of a first Office Action on the merits.		

Applicants: Saunders et al **Application No.:** 10/749,121 (c) The Information Disclosure Statement is being filed before the mailing date of any final action, notice of allowance or an action that otherwise closes prosecution; and Each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement; The Director is hereby authorized to charge \$180.00 to Deposit Account No. 50-0725. The Information Disclosure Statement is being filed on or before the (d) payment of the issue fee; and Each item of information contained in the Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement; No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was

known to any individual designated in § 1.56(c) more than three months prior to the filing of the Information Disclosure Statement;

The Director is hereby authorized to charge \$180.00 to Deposit

Account No. 50-0725.

Applicants: Application No.:

Saunders et al 10/749,121

 \boxtimes

The Director is hereby authorized to charge any additional fees that may be required for the Information Disclosure Statement, or credit any overpayment to Deposit Account No. 50-0725. A DUPLICATE COPY OF THIS LETTER IS ATTACHED.

Respectfully submitted,

Michael C. Badia, Reg. No. 51,424

Agent for Applicants

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9/12/05

Date of Signature

Our Docket No.: VPI/02-05 US



Certificate Of Mailing Under 37 CFR §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

On <u>September 12, 2005</u>

Date

- 1. Information Disclosure Statement (3 pages, in duplicate);
- 2. PTO-1449 Form (1 page, in duplicate);
- 3. Cited References (A1-A6; B1, C1-C11); and
- 4. Return Postcard Receipt.

Lisa M. Romano

Typed or printed name of person signing Certificate

SEP 1 6 2005 B

filed Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number	10/749,121		
Filing Date	December 30, 2003		
First Named Inventor	Saunders et al.		
Group Art Unit	1644		
Examiner Name	Not Yet Assigned		
Attorney Docket Number	VPI/02-05 US		

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Publication Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
	A1	5,541,168	7/30/96	Sterling Winthrop Inc.	514	92	10/2/94
	A2	5,750,546	5/12/98	Sanofi Winthrop Inc.	514	342	12/2/94
	A3	5,512,576	4/30/96	Sterling Winthrop Inc.	514	258	12/2/94
	A4	5,494,925	2/27/96	Sterling Winthrop Inc.	514	362	12/2/94
	A5	5,550,139	8/27/96	The Wichita State University	514	362	8/27/96
	A6	5,556,09	9/17/96	Sanofi Winthrop Inc.	514	362	12/2/94

				FOREIGN PATENT DOCUMENTS			
Exam Initials	Cite No.	Foreig Office	n Patent Document Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Trans Yes	slation No
	B1	EP	WO 03/082841 A1	Novartis AG	9 October 2003		

OTHER NON PATENT LITERATURE DOCUMENTS					
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.			
	C1	Mantegani et al., "Synthesis And Antihypertensive Activity Of 2,4-Dioxoimidazolidin-1-yl And Perhydro-2,4-Dioxopyrimidin-1-yl Ergoline Derivatives", IL Farmaco, 53 (4): 293-304 (1998)			
	C2	Bright et al, "Competitive Particle Concentration Fluorescence Immunoassays For Measuring Anti-Diabetic Drug Levels In Mouse Plasma", Journal of Immunological Methods, 207 (1): 23-31 (1997)			
	C3	Albericio et al., "Synthesis of a Sulfahydantoin Library", J. Comb. Chem. 3, 290-300 (2001)			
	C4	Kuang et al., "A General Inhibitor Scaffold for Serine Proteases with a (Chymo)trypsin-Like Fold: Solution-Phase Construction and Evaluation of the First Series of Libraries of Mechanism-Based Inhibitors", J. Am. Chem. Soc. 121 (35): 8128-8129 (1999)			
	C5	Groutas et al, "Potent and Specific Inhibition of Human Leukocyte Elastase, Cathepsin G and Proteinase 3 by Sulfone Derivatives Employing the 1,2,5-Thiadiazolidin-3-one 1,1 Dioxide Scaffold, Bioorganic & Medicinal Chemistry 6 (6): 661-671 (1998)			
	C6	Groutas et al, "Structure-Based Design of a General Class of Mechanism-Based Inhibitors of the Serine Proteinases Employing a Novel Amino Acid-Derived Heterocyclic Scaffold" Biochemistry, 36(16): 4739-4750 (1997)			
	C7	Dewynter et al, "Synthesis of Pseudonucleosides Containing Chiral Sulfahydantoins as Aglycone (II)", Tetrahedron, 52 (3): 993-1004 (1996)			
	C8	Muller et al., "A General Synthesis of 4-Substituted 1, 1-Dioxo-1,2,5-thiadiazolidin-3-ones Derived from alpha Amino Acids", J. Org. Chem., 54 (18): 4471-4473 (1989)			
	C9	Lee et al, "3-Oxo and 3-Imino-4-substituted-1,2,5-thiadiazolidine 1,1-Dioxides: Synthesis, Spectral Properties, and Selected Chemistry", J. Org. Chem., 54 (13): 3077-3083 (1989)			
	C10	Tremblay et al, "Efficient Solid-Phase Synthesis of Sulfahydantoins", J. Comb. Chem., 4 (5): 429-435 (2002)			
	C11	Albericio et al, "Solid Phase synthesis of Sulfahydantoins", Tetrahedron Letters, 41 (17) 3161-3163 (2000)			

* a copy of this reference is not provided as	s it was previously cited by or submitted to the office in a prior application,
U.S.S.N, filed	, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation,
continuation-in-part, and divisional applica	tions).

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to applicant.